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AMENDMENTS TO THE CLAIMS

The following is a complete listing of the claims indicating the current status of each claim and including amendments currently entered as highlighted.

1-15 (Canceled)

- 16. (New) A combined electrochemical system for scale treatment and eradicating bacteria in water supply systems comprising:
 - (a) a first electrochemical cell including:
 - (i) a first tank for receiving a water supply;
 - (ii) a first anode, disposed within said tank, and
 - (iii) a first cathode, associated with said anode;
 - (b) a second electrochemical cell including:
 - (i) a second tank for receiving an effluent from said first tank, said second tank being a metallic tank, said second electrochemical cell adapted such that said second tank forms a second cathode of said second electrochemical cell, and
 - (ii) a second anode, disposed within said second tank, and
 - (c) a DC electrical supply source operatively connected to said first cell and said second cell,

said first electrochemical cell operative for trapping bacteria in a colloidlike structure,

said second electrochemical cell operative for producing a pH above 12 near walls of said second tank, so as to form a bacteria-containing precipitate on said walls of said second tank, thereby removing said bacteria from said effluent.

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17. (New) The combined electrochemical system of claim 16, wherein said first anode is made of a material selected from the group consisting of aluminum, magnesium, and zinc.

18. (New) The combined electrochemical system of claim 16, wherein said second anode includes a material selected from the group consisting of an alloy of TiNiO and a metal coated by an alloy of TiNiO.

19. (New) The combined electrochemical system of claim 16, wherein said second cell further includes:

- (iii) an elastic scraper, said scraper operative for scraping said walls of said second tank, so as to remove said bacteria-containing precipitate from said walls.
- 20. (New) The combined electrochemical system of claim 16, wherein said bacteria include Legionella Pneumophila.
- 21. (New) The combined electrochemical system of claim 16, wherein said first electrochemical cell is adapted so as to produce a zone, within said first cell, having a pH between about 9.5 and about 10.

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22. (New) The combined electrochemical system of claim 16, wherein said anode of said second electrochemical cell is substantially non-sacrificial.

23. (New) The combined electrochemical system of claim 16, wherein said first electrochemical cell is adapted so as to produce a zone having a mildly alkaline pH, and wherein said anode of said second electrochemical cell is substantially non-sacrificial.

24. (New) The combined electrochemical system of claim 23, wherein said first anode is made of a material selected from the group consisting of aluminum, magnesium, and zinc.

25. (New) The combined electrochemical system of claim 16, wherein said second electrochemical cell is further adapted so as to substantially eradicate said bacteria.

26. (New) The combined electrochemical system of claim 20, wherein said second electrochemical cell is further adapted so as to substantially eradicate said Legionella Pneumophila.

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27. (New) The combined electrochemical system of claim 16, wherein said first tank is a metallic tank, said first cell adapted such that said first tank forms a cathode of said first cell.

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- 28. (New) An electrochemical method of scale treatment and eradicating bacteria in water supply systems comprising the steps of:
 - (a) providing a system including:
 - (i) a first electrochemical cell including:
 - (I) a first tank for receiving a water supply;
 - (II) a first anode, disposed within said tank, and
 - (III) a first cathode, associated with said anode, and
 - (ii) a second electrochemical cell including:
 - (I) a second tank for receiving an effluent from said first tank, said second tank being a metallic tank, said second tank forming a cathode of said second electrochemical cell, and
 - (II) a second anode, disposed within said second tank;
- (b) supplying electrical power to said cells by means of a DC electrical supply source so as to deliver electrical currents between said first anode and said first cathode, and between said second anode and said second cathode;
- (c) trapping bacteria in a colloid-like structure in said first tank;
- (d) transferring said effluent containing said bacteria in said colloid-like structure into said second tank, and
- (e) precipitating a precipitate on a wall of said second tank, said precipitate containing said bacteria.

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29. (New) The combined electrochemical method of claim 28, wherein said bacteria is Legionella Pneumophila.

30. (New) The combined electrochemical method of claim 28, wherein said first electrochemical cell is adapted so as to produce a zone, within said first cell, having a pH between about 9.5 and about 10.

31. (New) The combined electrochemical method of claim 28, wherein said first anode is made of a material selected from the group consisting of aluminum, magnesium, and zinc, and wherein said second anode includes a material selected from the group consisting of an alloy of TiNiO and a metal coated by an alloy of TiNiO.